METHOD AND SYSTEM FOR EXCHANGING ELECTRONIC MESSAGE, AND STORAGE MEDIUM FOR ELECTRONIC MESSAGE EXCHANGING PROCESSING

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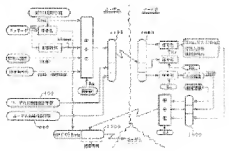
Abstract of **JP 9046335 (A)**

PROBLEM TO BE SOLVED: To enable an agent having a reception attribute specified by a transmitting entity to receive a message by ciphering the message by a cipher key corresponding to the attribute of a reception entity and transmitting the ciphered message to a receiver side device only when the receiver side entity has the specified reception entity. SOLUTION: A certification request 1400 consisting of cipher information obtained by ciphering the certification request 1400 by a user's own secret key Ka, the information of a secret key certificate 400 for the user A and the information of a user attribute certificate 800 is prepared and sent to a server computer to request the certification of an attribute. The server computer checks whether the information of the certificate 400 can be correctly decoded by its own secret key Ks or not, and when the information can be correctly decoded, obtains the key Ka as the user's secret key. Then the server computer decodes the cipher information by the user's secret key Ka and certificates that the user A has an attribute specified by the attribute information. Then the server computer ciphers certification information 800 by its own secret key Ks to generate ciphered certification information 1700 and returns the information 1700 to the user A.



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